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OM nucleic - nucleic search, using sw model

Run on: June 1, 2003, 15:24:09 ; Search time 106.681 Seconds  
(without alignments)  
5689.057 Million cell updates/sec

Title: US-09-625-573-3  
Perfect score: 1979  
Sequence: 1 CAGACTGCTGACACAGC.....ATATGCAATATAAAATTAG 1979

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_NA.\*  
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4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1979	100.0	1979	1	US-08-450-393A-3
2	1979	100.0	1979	3	US-08-446-669-3
3	1979	100.0	1979	5	PCT-US95-00476-3
4	980	49.5	2232	1	US-08-450-393A-1
5	980	49.5	2232	3	US-08-446-669-1
6	980	49.5	2232	5	PCT-US95-00476-1
7	703.4	35.5	1376	3	US-09-087-232A-12
8	703.4	35.5	1477	4	US-08-833-752-2
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10	703.4	35.5	3383	4	US-08-575-967A-1
11	701.4	35.4	1059	4	US-09-517-605-8
12	700.2	35.4	1414	3	US-08-466-343D-1
13	700	35.4	1059	4	US-08-724-984A-3
14	700	35.4	1071	3	US-09-087-232A-14
15	699.2	35.3	5674	4	US-09-293-170-3
16	683.4	34.5	1344	3	US-09-087-232A-16
17	683.4	34.5	1442	4	US-08-833-752-3
18	659.8	33.3	2440	4	US-08-724-984A-1
19	376	19.0	792	4	US-08-833-752-1
20	357.6	18.1	2156	1	US-08-012-988A-1
21	350.2	17.7	1915	4	US-08-575-967A-3
22	348.8	17.6	1065	4	US-08-847-296B-2
23	308.6	15.6	161	3	US-09-087-232A-11
24	304	15.4	1607	3	US-08-875-573-19
25	299	15.1	1695	4	US-09-232-878-1
26	266.8	13.5	1161	1	US-08-153-848-31
27	266.8	13.5	1161	5	PCT-US93-11153-31

28	266.8	13.5	2254	1	US-08-153-848-27	Sequence 27, Appl
29	266.8	13.5	2254	3	US-09-299-843A-27	Sequence 27, Appl
30	266.8	13.5	2254	4	US-09-088-337B-27	Sequence 27, Appl
31	266.8	13.5	2254	5	PCT-US93-11153-27	Sequence 27, Appl
32	266.8	13.5	3119	3	US-09-299-843A-31	Sequence 31, Appl
33	266.8	13.5	3119	4	US-09-088-337B-31	Sequence 31, Appl
34	261.2	13.2	1586	1	US-08-461-244-1	Sequence 1, Appl
35	181.6	9.2	1050	4	US-08-681-192-1	Sequence 1, Appl
36	177.4	9.0	1664	4	US-09-045-583-4	Sequence 4, Appl
37	177.4	9.0	1664	4	US-09-534-185-4	Sequence 4, Appl
38	176.4	8.9	1137	4	US-09-045-583-6	Sequence 6, Appl
39	176.4	8.9	1137	4	US-09-534-185-6	Sequence 6, Appl
40	173.8	8.8	1200	5	PCT-US95-03032-1	Sequence 1, Appl
41	165.8	8.4	1200	5	PCT-US92-02977-1	Sequence 1, Appl
42	165	8.3	2577	4	US-09-266-464-1	Sequence 1, Appl
43	160.4	8.1	2085	3	US-09-299-843A-65	Sequence 65, Appl
44	160.4	8.1	2085	3	US-09-088-337B-65	Sequence 65, Appl
45	155.6	7.9	2751	1	US-08-153-848-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1  
US-08-450-393A-3  
; Sequence 3, Application US/08450393A  
; Patent No. 5707815  
; GENERAL INFORMATION:  
; APPLICANT: Charo, Israel  
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Cooley Godward Castro Huddleson & Tatum  
; STREET: 5 Palo Alto Square  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94306-2155  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/450,393A  
; FILING DATE: May 25, 1995  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cseri, Luann  
; REGISTRATION NUMBER: 31,822  
; REFERENCE/DOCKET NUMBER: UCAL-237/02US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-843-5165  
; TELEFAX: 415-8857-0663  
; TELEX: 380816COOLEYPA  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1979 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 81..1160  
; US-08-450-393A-3

Query Match 100.0%; Score 1979; DB 1; Length 1979;  
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1979;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
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Db	1	CAGGACTGCGCTGAGACAAAGCCACAAAGCTGAACAGAGAAAGTGATTTGAAACAGGACGCAT	60
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Db	61	TTCCCCAGTACATCCACAACATGCTGTCCACATCTCGCTTCGGTGTATTCAGAAATACCA	120
QY	121	ACGAGACGGGTGAAGAAAGTACCACCTTTTGTGATTATGATTACGGTGCCTCCCTGTCATA	180
Db	121	ACGAGACGGGTGAAGAAAGTACCACCTTTTGTGATTATGATTACGGTGCCTCCCTGTCATA	180
QY	181	AATTTGACGTGAAGCAAAATTTGGGGCCCAACTCCTGCCTCTACTCGCTGGTGTTC	240
Db	181	AATTTGACGTGAAGCAAAATTTGGGGCCCAACTCCTGCCTCTACTCGCTGGTGTTC	240
QY	241	TCCTTGGTTTGTGGGCAACATGCTGTCGTCCTCACTTAAATAAAGTGAAGAAAGCTGA	300
Db	241	TCCTTGGTTTGTGGGCAACATGCTGTCGTCCTCACTTAAATAAAGTGAAGAAAGCTGA	300
QY	301	AGTGCTTGACTGACATTTACTGCTCAACTGAGTGGCCATCTCTGATCTGCTTTTCTTATTA	360
Db	301	AGTGCTTGACTGACATTTACTGCTCAACTGAGTGGCCATCTCTGATCTGCTTTTCTTATTA	360
QY	361	CTCTCCCATTTGGGCTCACTCTGCTCAAAATGAGTGGGCTTTTGGGAATGCAATGTGCA	420
Db	361	CTCTCCCATTTGGGCTCACTCTGCTCAAAATGAGTGGGCTTTTGGGAATGCAATGTGCA	420
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Db	661	TTCCACGAGGATGGATAAATTTCCACACAATATGAGGAACATTTTGGGCTGTGCTCTGC	720
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Db	781	ACGAGAAGAAGAGGATAGGGCAGTGTGAGAGTCACTCTTACCATCATGATGTTTACTTTC	840
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Db	1021	GGTATCTCTCGGTGTTCTTCCGAAGACATCAACACAGCGCTTCTGCAACAATGTCCAG	1080

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RESULT 2
US-08-446-669-3
; Sequence 3, Application US/08446669
; Patent No. 6132987
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN M
; TITLE OF INVENTION: PROTEIN REC
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:

```

ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
STREET: 5 Palo Alto Square  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94306-2155  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/446,669  
FILING DATE: May 25, 1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Neely, Richard  
REGISTRATION NUMBER: 30,092  
REFERENCE/DOCKET NUMBER: UCAL-237/01US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-843-5000  
TELEFAX: 415-857-0663  
TELEX: 380816CooleyPA  
INFORMATION FOR SEQ ID NO.: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1979 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 81...1160  
US-08-446-669-3

Query Match 100.08; Score 1979; DB 3; Length 1979;

Best Local Similarity 100.08; Pred. Mismatches 0; Indels 0; Gaps 0;

Matches 1979; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 CAGGACTGCTGAGCAAGCCAAAGCTGAACAGAGAAAGTGGATGAACAGAGCGCAT 60  
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DB 61 TTCCCCAGTACATCCACAAATGCTGTCCACATCTGTTCTCGGTTTATCAGAAATACCA 120  
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QY 181 AATTGACGTGAAGCAAAATGGGGCCCAACTCTGCTCGGCTCTACTCGGTTGTTCA 240  
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DB 301 AGTGTGTTGACTGACATTTACCTGCTCAACCTGGCCATCTCTGATCTGTTTCTTATTA 360  
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DB 841 TCTTCTGGACTCCCTATAACATTTGTCATTTCTCTGAACACCTTCCAGGAATTTTC 900  
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QY 1141 AGGAAGTCTCGGCTGTTTATAAAGCAGGAGCAGTGTGTTGTTTATAAAGGAGA 1200  
DB 1141 AGGAAGTCTCGGCTGTTTATAAAGCAGGAGCAGTGTGTTGTTTATAAAGGAGA 1200  
QY 1201 TAAACAATCTGTATATAACAACAACTTCAAGGGTGTGTTGAACAATAAGAACTG 1260  
DB 1201 TAAACAATCTGTATATAACAACAACTTCAAGGGTGTGTTGAACAATAAGAACTG 1260  
QY 1261 CAGGTGCCAGGAGAGCTCAGGGCTGTGTTACTAATACAGACTATGTCACCCAT 1320  
DB 1261 CAGGTGCCAGGAGAGCTCAGGGCTGTGTTACTAATACAGACTATGTCACCCAT 1320  
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DB 1321 TCCAAACATGTGCTCAGGGAAATATCCAGAAAACTGTGGGTAGAGACTTTGACT 1380  
QY 1381 AAGGCTCATCTAGCTCCTGAAATAAGCTTCATACCTTGTGCTTAATCCCTTTTCT 1440  
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DB 1501 TGGAGGTGAAGAAGAGAAATGTGACAGCAGATGAATGGAGGTGAGGGATAGTGGGTC 1560  
QY 1561 AGGCTGAGAGGAGAGAGGAGGAGACATGAGCATGGCTGAGCCCTGGACAAAGAAAGT 1620

Db 1561 AGGGCTGAGAGGAGAGGAGAGATGAGCATGGCTGAGCCTGGACAAAGAGT 1620  
QY 1621 GAGCAAGGGCTCACCATTCAGCCAGGAGATGATGCTGCTTAGCCCCCATCTGCCAC 1680  
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QY 1681 GTGATATTAACCTTGAAGGTTTCAACAGGTTCAGGAGAGTTTGGGAACCTCAATAACCTG 1740  
Db 1681 GTGATATTAACCTTGAAGGTTTCAACAGGTTCAGGAGAGTTTGGGAACCTCAATAACCTG 1740  
QY 1741 GGAGTTTGGTGGAGTCCCATGATCTCTTTTGCATAAGTGCATGATATTTTGGTTT 1800  
Db 1741 GGAGTTTGGTGGAGTCCCATGATCTCTTTTGCATAAGTGCATGATATTTTGGTTT 1800  
QY 1801 ATTACAGTTTATCTATGGCACCCATGCACCTTACATTTGAAATCTATGAAATATCATGCT 1860  
Db 1801 ATTACAGTTTATCTATGGCACCCATGCACCTTACATTTGAAATCTATGAAATATCATGCT 1860  
QY 1861 CCATTGTTTCAGATGCTTCTTAGGCCACATCCCCCTGCTAAATAATTCAGAAAAATTTTGT 1920  
Db 1861 CCATTGTTTCAGATGCTTCTTAGGCCACATCCCCCTGCTAAATAATTCAGAAAAATTTTGT 1920  
QY 1921 TTATAAAGATGCATTATCTATGATGATGCTAATATATGATATGCAATATAAATTTAG 1979  
Db 1921 TTATAAAGATGCATTATCTATGATGATGCTAATATATGATATGCAATATAAATTTAG 1979

## RESULT 3

PCT-US95-00476-3  
; Sequence 3, Application PC/TUS9500476  
; GENERAL INFORMATION:  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT  
; NUMBER OF INVENTION: PROTEIN RECEPTORS  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Robbins, Berliner & Carson  
; STREET: 201 N. Figueroa Street, 5th Floor  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90012-2628  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE: PCT/US95/00476  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Berliner, Robert  
; REGISTRATION NUMBER: 20,121  
; REFERENCE/DOCKET NUMBER: 5555-291  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 310-977-1001  
; TELEFAX: 310-977-1003  
; TELEX:

## INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1979 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 81..1160  
PCT-US95-00476-3

Query Match 100.0%; Score 1979; DB 5; Length 1979;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1979; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAGGACTGCCCTGAGACAAGCCACAAGCTGAACAGAGAAAGTGGATTGAACAAGGACGCAT 60  
Db 1 CAGGACTGCCCTGAGACAAGCCACAAGCTGAACAGAGAAAGTGGATTGAACAAGGACGCAT 60  
QY 61 TTCCCCAGTACATCCACAACATGCTGTCACATCTCGTTCTCGGTTTATCAGAAATACCA 120  
Db 61 TTCCCCAGTACATCCACAACATGCTGTCACATCTCGTTCTCGGTTTATCAGAAATACCA 120  
QY 121 ACAGAGAGGGTGAAGAAGTCAACACCTTTTGGATATGATACGGTGTCCCTGTCTATA 180  
Db 121 ACAGAGAGGGTGAAGAAGTCAACACCTTTTGGATATGATACGGTGTCCCTGTCTATA 180  
QY 181 AATTGTAGCTGAAGCAAAATTTGGGGCCCAACTCCTCGCTCCGCTACTCGTGGTGTCTCA 240  
Db 181 AATTGTAGCTGAAGCAAAATTTGGGGCCCAACTCCTCGCTCCGCTACTCGTGGTGTCTCA 240  
QY 241 TCTTTGGTTTGTGGGCAACATGCTGTCGCTCTCATCTTAATAAAGTCAAAAGCTGA 300  
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QY 541 TCACCTTTGGGGTGGTGACAAAGTGTGATCACTGGTGGTGGTGGTGGTGGTGGTGGTGG 600  
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QY 781 ACAGAAAGAGAGGCATAGGGCAGTGAAGTCACTTCCACACAATAATGAGGAACATTTT 840  
Db 781 ACAGAAAGAGAGGCATAGGGCAGTGAAGTCACTTCCACACAATAATGAGGAACATTTT 840  
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Db 841 TCTTCTGGACTCCCTATAAATTTCTCTCTGAAACCTTCCAGGAATTTCTTGGGCC 900  
QY 901 TGAGTAACCTGTGAAGCACCAGTCACTGGAACCAAGCCAGGTCACAGAGACTCTTG 960  
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QY 961 GGATGACTCAGTGTGATCACTCAATCCCATCATCTATGCCTTCGTTGGGAGAGTTTCAGAA 1020  
Db 961 GGATGACTCAGTGTGATCACTCAATCCCATCATCTATGCCTTCGTTGGGAGAGTTTCAGAA 1020

QY 1021 GGATCTCTCGGTGTTCTTCCGAAGACACATCACCACCGCTTCTGCAACAATGTCCAG 1080  
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QY 1381 AAAGCTCATCTCAGCTCTGAAATGCTCTATTACCTGTGCTAATCTCTTTTCTAG 1440  
DB 1381 AAAGCTCATCTCAGCTCTGAAATGCTCTATTACCTGTGCTAATCTCTTTTCTAG 1440  
QY 1441 TCTTCATAATTTCTCACTCAATCTCTGATCTGCTCAATGTCTTGAATCAAGGCCAGC 1500  
DB 1441 TCTTCATAATTTCTCACTCAATCTCTGATCTGCTCAATGTCTTGAATCAAGGCCAGC 1500  
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DB 1501 TGGAGGTGAAGAAGAGATGTGACAGGCACAGATGAATGGGAGTGGGGTCT 1560  
QY 1561 AGGGCTGAGAGAGAGAGGAGGAGACATGAGCATGCTGAGCTGGACAAAGCAAGT 1620  
DB 1561 AGGGCTGAGAGAGAGAGGAGGAGACATGAGCATGCTGAGCTGGACAAAGCAAGT 1620  
QY 1621 GAGCAAGGGCTCAGGCATTCAGCCAGGAGATGATACTGCTTCCCTAGCCCATCTGCCAC 1680  
DB 1621 GAGCAAGGGCTCAGGCATTCAGCCAGGAGATGATACTGCTTCCCTAGCCCATCTGCCAC 1680  
QY 1681 GTGATTTAACTTGAAGGGTTTCAACAGGTGAGGAGATTTGGGAACCTGCAATAACCTG 1740  
DB 1681 GTGATTTAACTTGAAGGGTTTCAACAGGTGAGGAGATTTGGGAACCTGCAATAACCTG 1740  
QY 1741 GGAGTTTGGTGGAGTCCGATGATCTCTTTGCAATAAGTGCATGACATATTTTCTTT 1800  
DB 1741 GGAGTTTGGTGGAGTCCGATGATCTCTTTGCAATAAGTGCATGACATATTTTCTTT 1800  
QY 1801 ATTACAGTTTATCTATGGCACCACATGACCTTACATTTGAAATCTATGAAATATCATGCT 1860  
DB 1801 ATTACAGTTTATCTATGGCACCACATGACCTTACATTTGAAATCTATGAAATATCATGCT 1860  
QY 1861 CCATTTCTCAGTCTCTTAGCCACATCCCTCTCTTAAATTCAGAAATTTTGT 1920  
DB 1861 CCATTTCTCAGTCTCTTAGCCACATCCCTCTCTTAAATTCAGAAATTTTGT 1920  
QY 1921 TTATAAAGATGATTTATCTATGATATGCTATATATGATATGCAATATAAATTTAG 1979  
DB 1921 TTATAAAGATGATTTATCTATGATATGCTATATATGATATGCAATATAAATTTAG 1979

## RESULT 4

US-08-450-393A-1  
; Sequence 1, Application US/08450393A  
; Patent No. 5707815  
; GENERAL INFORMATION:  
; APPLICANT: Charo, Israel  
; APPLICANT: Coughlin, Shaun  
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMAOTACTANT

; TITLE OF INVENTION: PROTEIN RECEPTORS  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
; STREET: 5 Palo Alto Square  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94306-2155  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/08/450,393A  
; FILING DATE: May 25, 1995  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cseri, Luann  
; REGISTRATION NUMBER: 31,822  
; REFERENCE/DOCKET NUMBER: UCAL-237/02US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-843-5165  
; TELEFAX: 415-8857-0663  
; TELEX: 380816CooleyPA  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 40..1161  
; US-08-450-393A-1

Query Match 49.5%; Score 980; DB 1; Length 232;  
Best Local Similarity 100.0%; Pred. No. 2e-278;  
Matches 980; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 42 GGATTTCAACAAGGACGATTTCCCGAGTACATCCACAACATGCTGTCCACATCTCGTTCT 101  
DB 1 GGATTTCAACAAGGACGATTTCCCGAGTACATCCACAACATGCTGTCCACATCTCGTTCT 60  
QY 102 CGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAAGTCAACACCTTTTGTGATTTATGAT 161  
DB 61 CGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAAGTCAACACCTTTTGTGATTTATGAT 120  
QY 162 TAGCGTGTCTCCCTGTATATAAATTTGAGCTGAAGCAAAATTTGGGCCCCAACCTTCCCTCCG 221  
DB 121 TAGCGTGTCTCCCTGTATATAAATTTGAGCTGAAGCAAAATTTGGGCCCCAACCTTCCCTCCG 180  
QY 222 CTCTACTCGCTGGTGTTCATCTTTTGTGTTTGTGGGCAACATGCTGTCTCATCATCTTA 281  
DB 181 CTCTACTCGCTGGTGTTCATCTTTTGTGTTTGTGGGCAACATGCTGTCTCATCTTA 240  
QY 282 ATAACTGCAAAAGCTGAAGTGTGACATGACATTTACCTGTGCAACCTGGGCCATCTCT 341  
DB 241 ATAACTGCAAAAGCTGAAGTGTGACATGACATTTACCTGTGCAACCTGGGCCATCTCT 300  
QY 342 GATCTGCTTTTCTTATTACTCTCCCATTTGGGCTCAGTCTGCTGCAAAATGAGTGGTC 401  
DB 301 GATCTGCTTTTCTTATTACTCTCCCATTTGGGCTCAGTCTGCTGCAAAATGAGTGGTC 360  
QY 402 TTTGGGAATGCAATGTCAAAATTTATCACAGGCTGTATCACATCGGTATTTTGGCGGA 461  
DB 361 TTTGGGAATGCAATGTCAAAATTTATCACAGGCTGTATCACATCGGTATTTTGGCGGA 420  
QY 462 ATCTTCTTCATCATCTCTCTCCCTGACATGATACCTGGCTATTTGCCATGCTGTGTTT 521

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Qy	582	GCCTGTGTTGCTTCTGTCCAGGAATCATCTTTACTAAATGCCAGAAAGATCTCTTT	641
Db	541	GCCTGTGTTGCTTCTGTCCAGGAATCATCTTTACTAAATGCCAGAAAGATCTCTTT	600
Qy	642	TATGCTGTGGCCCTTATTTTCCACGAGATGGAATAATTTCCACACAATATGAGGAAC	701
Db	601	TATGCTGTGGCCCTTATTTTCCACGAGATGGAATAATTTCCACACAATATGAGGAAC	660
Qy	702	ATTTTGGGGTGTGCTCGCGTGTCTAFTCATGTGTCATCTGCTACTCGGGAACTCCTGAA	761
Db	661	ATTTTGGGGTGTGCTCGCGTGTCTAFTCATGTGTCATCTGCTACTCGGGAACTCCTGAA	720
Qy	762	ACCCTGCTTGGGTGTCGAAACGAGAGAGAGGCATAGGGCAGTGAGAGTCAATCTTCAAC	821
Db	721	ACCCTGCTTGGGTGTCGAAACGAGAGAGAGGCATAGGGCAGTGAGAGTCAATCTTCAAC	780
Qy	822	ATCATGATTGTTTACTTTCTTCTCTGGACTCCCTATAACATTTGTCATTTCTCCTCAACACC	881
Db	781	ATCATGATTGTTTACTTTCTTCTCTGGACTCCCTATAACATTTGTCATTTCTCCTCAACACC	840
Qy	882	TTCCAGGAATTTCTTGGCCTGAGTAACTGTGAAAGCACCACTGACCAACCAAGCCACG	941
Db	841	TTCCAGGAATTTCTTGGCCTGAGTAACTGTGAAAGCACCACTGACCAACCAAGCCACG	900
Qy	942	CAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCAATCCCATCATCTATGCCCTTC	1001
Db	901	CAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCAATCCCATCATCTATGCCCTTC	960
Qy	1002	GTGCGGAGAACTTCAGAG	1021
Db	961	GTGCGGAGAACTTCAGAG	980

## RESULT 5

US-0841 3  
 US-08-446-669-1  
 : Sequence 1, Application US/08446669  
 : Patent No. 6132987  
 : GENERAL INFORMATION:  
 : APPLICANT: Charo, Israel  
 : APPLICANT: Coughlin, Shaun  
 : TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT  
 : TITLE OF INVENTION: PROTEIN RECEPTORS  
 : NUMBER OF SEQUENCES: 14  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
 : STREET: 5 Palo Alto Square  
 : CITY: Palo Alto  
 : STATE: California  
 : COUNTRY: USA  
 : ZIP: 94306-2155  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: PatentIn Release #1.0, Version #1.25  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/446,669  
 : FILING DATE: May 25, 1995  
 : CLASSIFICATION: 435  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Neeley, Richard  
 : REGISTRATION NUMBER: 30,092  
 : REFERENCE/DOCKET NUMBER: UCAL-237/01US  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 415-843-5000  
 : TELEFAX: 415-857-0663

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; TELEX: 380816CooleyPA
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 40..1161
;
US-08-446-669-1

Query Match 49.5% Score 980; DB 3; Length 2232;
Best Local Similarity 100.0%; Pred. No. 2e-278;
Matches 980; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 882 TTCCAGGAATTTCTCGGCTGAGTAACTGTGAAGCACCAGTCAACTGGAACCAAGCCACG 941  
Db 841 TTCCAGGAATTTCTCGGCTGAGTAACTGTGAAGCACCAGTCAACTGGAACCAAGCCACG 900  
QY 942 CAGGTGACAGAGACCTTTGGGATGACTCAGTCTGATCAATCCCATCATCTATGCGCTTC 1001  
Db 901 CAGGTGACAGAGACCTTTGGGATGACTCAGTCTGATCAATCCCATCATCTATGCGCTTC 960  
QY 1002 GTTGGGAGAGTTTCAGAAG 1021  
Db 961 GTTGGGAGAGTTTCAGAAG 980

## RESULT 6

PCT-US95-00476-1  
; Sequence 1, Application PC/TUS9500476  
; GENERAL INFORMATION:  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: MAMMALIAN MONOCLONAL CHEMOATTRACTANT  
; TITLE OF INVENTION: PROTEIN RECEPTORS  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Robbins, Berliner & Carson  
; STREET: 201 N. Figueroa Street, 5th Floor  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90012-2628  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/00476  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Berliner, Robert  
; REGISTRATION NUMBER: 20,121  
; REFERENCE/DOCKET NUMBER: 5555-291  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 310-977-1001  
; TELEFAX: 310-977-1003  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: CDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 40..1161  
; PCT-US95-00476-1

Query Match 49.5%; Score 980; DB 5; Length 2232;  
Best Local Similarity 100.0%; Pred. No. 2e-278;  
Matches 980; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGATTGAACAGGAGCGATTTCCTCCAGTATCATCCACAACTGCTGTCCACATCTCGTTCT 101  
Db 1 GGATTGAACAGGAGCGATTTCCTCCAGTATCATCCACAACTGCTGTCCACATCTCGTTCT 60  
QY 102 CGGTTTATCAGAATACCAACGAGAGCGGTGAAGAAGTCCACCCTTTTGTATTATGAT 161  
Db 61 CGGTTTATCAGAATACCAACGAGAGCGGTGAAGAAGTCCACCCTTTTGTATTATGAT 120

QY 162 TACGCTGCTCCCTGTCTATAAATTTGACGTGAAGCAAAATTTGGGGCCCAACTCTCTGCTCCG 221  
Db 121 TACGGTGTCCCTGTCTATAAATTTGACGTGAAGCAAAATTTGGGGCCCAACTCTCTGCTCCG 180  
QY 222 CTCTACTCGCTGCTGTCTCATCTTTGGTTTGTGGGCAACATGCTGGTCTCTCATCTTTA 281  
Db 181 CTCTACTCGCTGCTGTCTCATCTTTGGTTTGTGGGCAACATGCTGGTCTCTCATCTTTA 240  
QY 282 ATAAACTGCAAAAGCTGAAGTGTGACTGACATTTACTGCTCAACCTGGCCATCTCT 341  
Db 241 ATAAACTGCAAAAGCTGAAGTGTGACTGACATTTACTGCTCAACCTGGCCATCTCT 300  
QY 342 GATCTGCTTTTCTTATTACTCTCCCATTTGGGCTCACTCTGCTGCTCAAAATAGTGGGTC 401  
Db 301 GATCTGCTTTTCTTATTACTCTCCCATTTGGGCTCACTCTGCTGCTCAAAATAGTGGGTC 360  
QY 402 TTTGGGAATGCAATGTGCAAAATTTATTCACAGGCTGTATCATCATCGGTTATTTTGGCGGA 461  
Db 361 TTTGGGAATGCAATGTGCAAAATTTATTCACAGGCTGTATCATCATCGGTTATTTTGGCGGA 420  
QY 462 ATCTTCTTCATCATCTCTGCTGCAATCGATAGATACCTGGCTATTGCTCCATGCTGTGTT 521  
Db 421 ATCTTCTTCATCATCTCTGCTGCAATCGATAGATACCTGGCTATTGCTCCATGCTGTGTT 480  
QY 522 GCTTTAAAGCCAGGAGCGGTCACTTTGGGCTGTGACAGTGTGATCACTGGTGGTG 581  
Db 481 GCTTTAAAGCCAGGAGCGGTCACTTTGGGCTGTGACAGTGTGATCACTGGTGGTG 540  
QY 582 GCTGCTTTGCTTCTCTCCAGGAATCATCTTTTACTAAATGCCAGAAAGAGATTCTGTT 641  
Db 541 GCTGCTTTGCTTCTCTCCAGGAATCATCTTTTACTAAATGCCAGAAAGAGATTCTGTT 600  
QY 642 TATGCTGTGGCCCTTATTTTCCAGGAGATGGAATAATTTCCACACAATAATGAGGAAC 701  
Db 601 TATGCTGTGGCCCTTATTTTCCAGGAGATGGAATAATTTCCACACAATAATGAGGAAC 660  
QY 702 ATTTGGGCTGCTCTCGGCTGCTCATCATGCTGCTACTGCTACTGCGGAATCTCTGAAA 761  
Db 661 ATTTGGGCTGCTCTCGGCTGCTCATCATGCTGCTACTGCGGAATCTCTGAAA 720  
QY 762 ACCCTGCTCGGTGCTGAAACGAGAGAGAGGATGAGGAGTCACTGAGTCACTTCCACC 821  
Db 721 ACCCTGCTCGGTGCTGAAACGAGAGAGAGGATGAGGAGTCACTGAGTCACTTCCACC 780  
QY 822 ATCATGATTTGTTTACTTCTCTCTGACTCCCTATTAACATTTGTCATCTCTGGAACACC 881  
Db 781 ATCATGATTTGTTTACTTCTCTCTGACTCCCTATTAACATTTGTCATCTCTGGAACACC 840  
QY 882 TTCAGGAATTTCTGGCCTGAGTAACTGTGAAGCACCAGTCAACTGGACCAAGCCACG 941  
Db 841 TTCAGGAATTTCTGGCCTGAGTAACTGTGAAGCACCAGTCAACTGGACCAAGCCACG 900  
QY 942 CAGGTGACAGAGACTCTTGGGATGACTGCTGCTGATCAATCCCATCATCTATGCGCTTC 1001  
Db 901 CAGGTGACAGAGACTCTTGGGATGACTGCTGCTGATCAATCCCATCATCTATGCGCTTC 960  
QY 1002 GTTGGGAGAGTTTCAGAAG 1021  
Db 961 GTTGGGAGAGTTTCAGAAG 980

## RESULT 7

US-09-087-232A-12  
; Sequence 12, Application US/09087232A  
; Patent No. 6153431  
; GENERAL INFORMATION:  
; APPLICANT: Quillient et al.  
; TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR  
; TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION.  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Baker & Botts, L.L.P. attn. Lisa Kole  
; STREET: 30 Rockefeller Plaza

CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10112  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICANT: KOLE, LISA B.  
FILING DATE: 28 MAY 1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/048,057  
FILING DATE: 30 MAY 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: KOLE, LISA B.  
REGISTRATION NUMBER: 35,225  
REFERENCE/DOCKET NUMBER: AP 31115  
TELEPHONE: (212) 408-2628  
TELEFAX: (212) 765-2519  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1376 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 240..1298  
US-09-087-232A-12

Query Match 35.5%; Score 703.4; DB 3; Length 1376;  
Best Local Similarity 80.5%; Pred. No. 4.1e-197;  
Matches 840; Conservative 0; Mismatches 191; Indels 12; Gaps 1;

QY 154 ATTATGATACGGTCTCCCTGTCATATAATTTGAGTGAAGCAAAATTTGGGCGCCCAACTCC 213  
DB 277 ATTATATACATCGAGCGCTGCCAAAAAATCAATGTGAAGCAAAATTCAGCGCCGCTCC 336  
QY 214 TGCCTCCGCTCTACTCGCTGTGTCTACTTTGTTTGGGCAACATGCTGTGCTGCC 273  
DB 337 TGCCTCCGCTCTACTCGCTGTGTCTACTTTGTTTGGGCAACATGCTGTGCTGCC 396  
QY 274 TCATCTTAATAAATGCAAAAGCTGAAGTCTTGACATGACATTTACCTGCTCAACCTGG 333  
DB 397 TCATCTGATAAATGCAAAAGGCTGAAGACATGACATGACATGACATGACATGACATG 456  
QY 334 CCATCTCTGATCGCTTTTCTTATTACTCTCCCATTTGGGCTGACCTGCTGCAAAATG 393  
DB 457 CCATCTCTGACCTGTTTTTCTTCTTACTGTCCTCTTGGGCTGACATGCTGCGGCC 516  
QY 394 AGTGGGCTTTGGGAATGCAATGCAAAATTTATTCAGAGGCTGTATCATCTGCTTATT 453  
DB 517 AGTGGGCTTTGGAATGCAATGCAAAATTTATTCAGAGGCTGTATCATCTGCTTATT 576  
QY 454 TTGGGGAATCTTCTTCTCATCATCTCTCTGACAAATCGATAGATAGCTGCTATTGTCATG 513  
DB 577 TCTCTGGAATCTTCTTCTCATCATCTCTCTGACAAATCGATAGTACCTGGCTGCTGCTCATG 636  
QY 514 CTGCTGTTGCTTTAAAGCCAGGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 573  
DB 637 CTGCTGTTGCTTTAAAGCCAGGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 696  
QY 574 GGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 633  
DB 697 GGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 756  
QY 634 ATTCTGTTATGCTGTGGCGCTTATTTTCCA-----CGAGGATGGAATATT 681

DB 757 GTCTTCAATTACACCTGACGCTCTCATTTTCCATACAGTCAGTATCAATTTCTGGAAGAAIT 816  
QY 682 TCCACACAATAATGAGGAACATTTTGGGCGCTGGTCTCTCCGCTGCTCATCATCGTTCATCT 741  
DB 817 TCCAGACATTAAGATAGTATCTTTGGGCGCTGGTCTCTCCGCTGCTGCTGCTGCTGCTGCT 876  
QY 742 GCTACTCGGGAATCTGAAACCCCTGCTTGGGTGTCGAAACGAGAGAGAGAGAGAGAGAGAG 801  
DB 877 GCTACTCGGGAATCTTAAACCTGCTTGGGTGTCGAAACGAGAGAGAGAGAGAGAGAGAG 936  
QY 802 CAGTGAGAGTCACTTCCACCATCATGATTTTACTTTCTTCTTCTGAGTCCCTTATAACA 861  
DB 937 CTGTGAGGCTTATCTTCCACCATCATGATTTTATTTTCTTCTTCTGAGTCCCTTATAACA 996  
QY 862 TTGTCAATCTCCTGAACACCTTCCAGGAATTTCTTGGGCTGAGTAACTGTTGAAAGACCA 921  
DB 997 TTGTCTTCTCTGAAACCTTCCAGGAATTTCTTGGGCTGAGTAACTGTTGAAAGACCA 1056  
QY 922 GTCAACTGGACCAAGCCAGGCTGACAGAGACTTCTTGGGATGACTCCTGCTGCTCATCA 981  
DB 1057 ACAGGTTGGACCAAGCTATGAGGTGACAGAGACTTCTTGGGATGAGGACGCTGCTCATCA 1116  
QY 982 ATCCATCATCTATGCTTCTTGGGAGAGAGTTCAGAGAGTATCTCTGCTGTTCTTCTTCC 1041  
DB 1117 ACCCATCATCTATGCTTCTTGGGAGAGAGTTCAGAGAGTATCTCTGCTGTTCTTCTTCC 1176  
QY 1042 GAAAGCACATCACAAGGCTTCTGCAACAAATGCTCCAGTCTTCTGAGGAGAGAGAGTGG 1101  
DB 1177 AAAAGCACATGCAAGGCTTCTGCAACAAATGCTCTTCTTCTGAGGAGAGAGAGTGG 1236  
QY 1102 ATGAGTGTACTTCAACAAACACGCTTCTTGGGAGAGAGTCTGCTGCTGCTGCTGCTGCT 1161  
DB 1237 AGCGAGCAAGCTCAGTTTACACCGGATCCACTGAGGAGAGAGAGTCTGCTGCTGCTGCT 1296  
QY 1162 AAAAGCACATGCAAGGCTTCTGCAACAAATGCTCTTCTGAGGAGAGAGAGTGG 1184  
DB 1297 GACACGAGCTCAAGTGGGCTGGT 1319

## RESULT 8

US-08-833-752-2  
; Sequence 2, Application US/08833752  
; Patent No. 6448375  
; GENERAL INFORMATION:  
; APPLICANT: SAMSON, MICHEL  
; APPLICANT: PARMENTIER, MARC  
; APPLICANT: VASSART, GILBERT  
; APPLICANT: LIBERT, FREDERICK  
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
; TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Knobbe, Martens, Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/833,752  
; FILING DATE: 9-APR-1997  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Altman, Daniel E  
; REGISTRATION NUMBER: 34,115  
; REFERENCE/DOCKET NUMBER:  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:



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QY	154	ATTATGATTAAGGGTCTCCCTGTTCATAAATTTGACGTGAAGCAAAATGCGGGGCCAACATCC	211
Db	92	ATTATTAATACATCGGAGCCCCTGCCAAAAAAAACAATGTGAAGCAAAATCGCAGCGCGCTCC	151
QY	214	TGCCTCGCTCTACTCGCTGGTGTTCATCTTTTGGTTTTGGGCAACATGCTGGTGCATCC	273
Db	152	TGCCTCGCTCTACTCACTGGTGTTCATCTTTGGTTTTGGGCAACATGCTGGTGCATCC	211
QY	274	TCATCTTAATAAATGCAAAAGCTGAAGTGCCTTAGCTGACATTTACCTGCTCAACCTGG	333
Db	212	TCATCTGATTAATGCAAAAGGCTGAAGAGCATGACTGACATCTACCTGCTCAACCTGG	271
QY	334	CCATCTCTGATCTGCTTTTCTTATTAATCTCTCCCATTTGTGGCTGACCTGCTGCTGCAAAATG	393
Db	272	CCAATCTGACCTGTTTTTCTTCTTACTGTCCCCTTCTGGGCTCACATGCTGGCGGCC	331
QY	394	AGTGGGTCTTTTGGGAATGCAATGTCAAATTAATCACAGGCTGTATCACATCGGTTATT	453
Db	332	AGTGGGACTTTTGAATAACAAATGTCAACTCTTGACAGGCTCTATTTATAGCTTCT	391
QY	454	TTGGCGGAATCTTCTTCATCATCTCCTGACAAATCGATAGATACCTGGCTATGTGCCATG	513
Db	392	TCTCTGGAATCTTCTTCATCATCTCCTGACAAATCGATAGTACTGCTGCTGCTGCCATG	451
QY	514	CTGTGTTTGCTTTAAAGCCAGGACGGTCACTTTTGGGGTGGTGACAAAGTGTGATCACT	573
Db	452	CTGTGTTTGCTTTAAAGCCAGGACGGTCACTTTTGGGGTGGTGACAAAGTGTGATCACT	511
QY	574	GGTGTGTGCTGTGTTGCTTCGTGCCAGGAATCATCTTTTACTAAATGCCAGAAGAAG	633
Db	512	GGGTGTGCTGTGTTGCTTCGTGCCAGGAATCATCTTTTACCAGATCTCAAAAAGAAG	571
QY	634	ATTCTGTTATGCTGTGGCCCTATTTTTCCAAAA-----CGAGGATGGATTAAT	681
Db	572	GCTTCATTTACCTCGAGCTCTCNTTTTCCATACAGTCAGTATCAATTCGTGSAAGAT	631
QY	682	TCACACAATATAGGAACAATTTTGGGCTGTGCTCGCGCTGCTCATCATGTGCTATCT	741
Db	632	TCACAGACATTAAGATAGTATCTTGGGGCTGCTCGCGCTGCTCATGTGCTATCT	691
QY	742	GCTACTCGGGAATCCTGAAAACCTGCTCGGTGTCGAAACGAGAAAGAGGCAATAGG	801
Db	692	GCTACTCGGGAATCCTGAAAACCTGCTCGGTGTCGAAATGAGAAAGAGGCAATAGG	751
QY	802	CAGTGAGATCATCTTCAACCATCATGTTTACTTTTCTCTGTGACATCCCTATAACA	861
Db	752	CTGTGAGGCTTATCTTCAACCATCATGTTTATTTCTCTCTGGGCTCCCTTACACA	811
QY	862	TTGTCTATCTCTGAACACTTCCAGGAATCTTTCGGCTGAGTAACTGTGAAGCACCA	921
Db	812	TTGTCTCTCTCTGAACACTTCCAGGAATCTTTCGGCTGAAATATGTCAGTAGCTCTA	871
QY	922	GTCAACTGGACCAAGCCAGGTCACAGACTCTTGGGATGACTCACTGCTGATCA	981
Db	872	ACAGGTTGGACCAAGCATATGACAGTGCACAGACTCTTGGGATGACGCACTGCTGCATCA	931
QY	982	ATCCCATCATCTATGCCCTTGTGGGGAGAAGTTCAGAAGTATCTCTCGGTGCTCTCC	1041
Db	932	ACCCCATCATCTATGCCCTTGTGGGGAGAAGTTCAGAATACCTTATGCTTCTCTCC	991
QY	1042	GAAGACATCACCAAGGCTTCTGCAACAATATGCCAGTTTCTACAGGAGACAGTGG	1101
Db	992	AAGACATTTGCCAAGGCTTCTGCAAAATGCTGTCTATTTTCCAGCAAGAGGCTCCCG	1051
QY	1102	ATGAGTGACTTCAACAAACAGCCCTTCCACTGGGAGCAGGAAGTCTCGGCTGGTTAT	1161
Db	1052	AGCGAGCAAGCTCAGTTTACACCCCATCCACTGGGAGCAGGAATATCTGTGGGCTGT	1111
QY	1162	AAACGAGGACGATTTGATGT	1184
Db	1112	GACACGGACTCAAGTGGGCTGT	1134

Db 392 TCTCGGAATCTTCTTCAATACCTCCCTGACAACTGATAGTACCTGCTGTCGCAATG 451  
Qy 514 CTGTGTTTGTCTTAAAGCCAGGAGGTCACCTTTTGGGGTGGTGACAAAGTGTGATCACT 573  
Db 452 CTGTGTTTGTCTTAAAGCCAGGAGGTCACCTTTTGGGGTGGTGACAAAGTGTGATCACT 511  
Qy 574 GGTGTTGGCTGTGTTTCTCTGTCACCAAGATCATCTTTACTAAATGCCAGAAAGAG 633  
Db 512 GGTGTTGGCTGTGTTTCTCTGTCACCAAGATCATCTTTACCAGATCTCAAAAGAGAG 571  
Qy 634 ATTCGTTTATGTCGTGTCGCTTATTTTCCA-----CGAGGATGGAATAAT 681  
Db 572 GTCTTATTAACCTGACAGCTCTCAATTTCCATACAGTCAGTATCAATTCGAGAGAT 631  
Qy 682 TCCACACATATATGAGGAACATTTTGGGGTGGTCTTCCGCTGTCATCATGTCATCT 741  
Db 632 TCCACACATTAAGATAGTATCTTTGGGGTGGTCTTCCGCTGTCATGTCATGTCATCT 691  
Qy 742 GCTACTCGGGAATCTGAAACCCCTGCTTCGCTGTCGAACAGAGAGAGGATAGG 801  
Db 692 GCTACTCGGGAATCTGAAACCCCTGCTTCGCTGTCGAACAGAGAGAGGATAGG 751  
Qy 802 CAGTGAGAGTATCTTCAACATCATGATTTTACTTCTCTCTGAGCTCCCTATAACA 861  
Db 752 CTGTGAGGCTTATCTTCAACATCATGATTTTACTTCTCTCTGAGCTCCCTATAACA 811  
Qy 862 TTGTCATCTCTGAAACCTTCCAGGAATCTTCCGCTGAGTAACTGTGAAGACACA 921  
Db 812 TTGTCCTCTCTGAAACCTTCCAGGAATCTTCCGCTGAGTAACTGTGAAGACACA 871  
Qy 922 GTCACTGAGCAACGAGGAGGTCAGACACCTTGGGATGACTCACTGCTGATCA 981  
Db 872 ACAGGTGAGCAACGAGGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 931  
Qy 982 ATCCCATCATCTATGCTTGGTGGGAGAGGTTCAAGAGGATCTCTCGGTCTTCTTC 1041  
Db 932 ACCCATCATCTATGCTTGGTGGGAGAGGTTCAAGAGGATCTCTCGGTCTTCTTC 991  
Qy 1042 GAAAGCACATCAACAGGCTCTGCAACATGTCAGGTTTCTACAGGAGAGAGTGG 1101  
Db 992 AAAAGCACATGCAACAGGCTCTGCAACATGTCAGGTTTCTACAGGAGAGAGTGG 1051  
Qy 1102 ATGAGTGTACTCAACAAACAGCCTTCCACTGGGAGGAGGAGGAGGAGGAGGAGG 1161  
Db 1052 AGGAGCAAGCTCAGTTTACCCCGATCCACTGGGAGGAGGAGGAGGAGGAGGAGG 1111  
Qy 1162 AAAACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1184  
Db 1112 GACACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1134

RESULT 11  
US-09-517-605-8  
; Sequence 8, Application US/09517605  
; Patent No. 6391567  
; GENERAL INFORMATION:  
; APPLICANT: Littman, Dan R.  
; APPLICANT: Kwon, Douglas S.  
; APPLICANT: van Kooyk, Yvette  
; APPLICANT: Geijtenbeck, Theo  
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO  
; TITLE OF INVENTION: CELLS  
; FILE REFERENCE: 1049-1-017  
; CURRENT APPLICATION NUMBER: US/09/517,605  
; CURRENT FILING DATE: 2000-03-02  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8  
; LENGTH: 1059  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-517-605-8

Query Match 35.4%; Score 701.4; DB 4; Length 1059;  
Best Local Similarity 81.2%; Pred No. 1.4e-196;  
Matches 832; Conservative 0; Mismatches 181; Indels 12; Gaps 1;  
Qy 151 TTGATTATGATTACGGTGTCTCCCTGTCAFAAATTTGACCTGAAGCAAAATTTGGGGCCCAAC 210  
Db 35 TCGATTATGATACATCGGAGCCCTGCCAAAATAAATCAATGTGAAGCAAAATCGCAGCCGCC 94  
Qy 211 TCTCGCTCCGCTCTACTCGCTGGGTGTTTCATCTTTGGTTTGTGGGCAACATGCTGCTG 270  
Db 95 TCTCGCTCCACTCTACTCACTGGGTTCATCTTTGGTTTGTGGGCAACATGCTGCTG 154  
Qy 271 TCTCATCTTAATAAAGCTGCAAAAGCTGAAGTGTCTGACTGACATTTTACCTGCTCAACC 330  
Db 155 TCTCGCTCTGATAAAGCTGCAAAAGCTGAAGAGCATGACTGACATCTACCTGCTCAACC 214  
Qy 331 TGGCCATCTCTGATCGCTTTTCTTATTTACTCTCCATTTGGGGTCTGCTGCTGCTGCA 390  
Db 215 TGGCCATCTCTGATCGCTTTTCTTATTTACTCTCCATTTGGGGTCTGCTGCTGCTG 274  
Qy 391 ATGAGTGGTCTTTGGGAATGCAATGTCAAAATTTACAGGGCTGTATCATCATCGTT 450  
Db 275 CCCAGTGGGACTTTGGAATAFACAATGTCAACTCTTGACAGGCTCTATTTTATAGGCT 334  
Qy 451 ATTTGGGCGAATCTTCTTCACTCATCTCTGACAAATTCGATAGATACCTGGCTATTGTTC 510  
Db 335 TCTTCTCTGAAATCTTCTTCACTCATCTCTCTGACATCATGATAGATACCTAGTATCTGCT 394  
Qy 511 ATGCTGTGTTGTTTAAAGCCAGGAGGTCACCTTTGGGGTGGTGACAAAGTGTGATCA 570  
Db 395 ATGCTGTGTTGTTTAAAGCCAGGAGGTCACCTTTGGGGTGGTGACAAAGTGTGATCA 454  
Qy 571 CTGTGTTGGTGGTGTGTTGCTCTGTCGCCAGGAATCATCTTTACTAAATGCCAGAAAG 630  
Db 455 CTGTGTTGGTGGTGTGTTGCTCTGTCGCCAGGAATCATCTTTACAGATCTCAAAAG 514  
Qy 631 AAGATTCTGTTTATGCTGTGGCCCTTATTTTCCA-----CGAGGATGGAATA 678  
Db 515 AAGTCTTCTTATACACCTGACGCTCTCATTTTCCATACAGTCAATCAATCTTCAAGGA 574  
Qy 679 ATTTCCACACAAATATGAGGAACATTTGGGGTGGTCTGCTGCTGCTCATCATGTCATCA 738  
Db 575 ATTTCCAGAGATTAAGATAGTATCTTTGGGGTGGTCTGCTGCTGCTGCTCATGTTGTC 634  
Qy 739 TCTGCTACTCGGAATCTGAAAACCTGCTTCGGTCTCGAAAAGAGAGAGAGGAGGAGG 798  
Db 635 TCTGCTACTCGGGAATCTTAAAGCTGCTTCTGCTGTCGAAACGAGAGAGAGAGGAGG 694  
Qy 799 GGGCAGTGAGAGTCACTTCAACCATCATGATTTGTTTACTTTCTTCTGCTGCTGCTGCT 858  
Db 695 GGGCAGTGAGGCTTATCTTCAACCATCATGATTTGTTTACTTTCTTCTGCTGCTGCT 754  
Qy 859 ACATTGCTATCTCTGAAACCTTCCAGGAATTTCTGCGCTGAGTAACTGTGAAAGCA 918  
Db 755 ACATTGCTCTCTCTGAAACCTTCCAGGAATTTCTTGGCTGAAATTTGCTAGTACT 814  
Qy 919 CCAGTCAACTGGACCAAGCCACGAGGTGACAGAGTCTTTGGGATGACTCACTGCTGCTG 978  
Db 815 CTACAGGTTGGACCAAGCCATGAGGTGACAGAGTCTTTGGGATGAGCAGCTGCTGCTG 874  
Qy 979 TCAATCCCATCATCTATGCTTCTGTTGGGAGAGTTCAGAGGATGATCTCTCGGTGTTCT 1038  
Db 875 TCAACCCCATCATCTATGCTTCTTGGGAGAGTTCAGAACTACCTCTTAGTCTTCT 934  
Qy 1039 TCCGAAAGCACATCAACCAAGGCTTCTGCAAAACATTTCTGAGTTTCTACAGGAGGAG 1098  
Db 935 TCCAAAAGCATATTGCGCAACACATCTGCAAAATGCTGTTCTATTTTCCAGCAAGAGGCT 994  
Qy 1099 TGGATGGAGTACTTCAACAAACAGGCTTCCACTGGGAGAGGAGGAGGAGGAGGAGG 1158  
Db 995 CCGAGCGAGCAAGCTCAGTTTACACTCGATCCACTGGGAGGAGGAGGAGGAGGAGG 1054

QY 1159 TATAA 1163  
Db 1055 TGTGA 1059

## RESULT 12

US-08-466-343D-1  
; Sequence 1, Application US/08466343D  
; Patent No. 6025154  
; GENERAL INFORMATION:  
; APPLICANT: LI, YI  
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN  
; TITLE OF INVENTION: CHEMOKINE RECEPTOR HDGNR10 (AS AMENDED)  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
; STREET: 1100 NEW YORK AVE., NW, SUITE 600  
; CITY: WASHINGTON  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: STERPE, ERIC K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 371-2600  
; TELEFAX: (202) 371-2540  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1414 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 259..1314  
US-08-466-343D-1

Query Match 35.4%; Score 700.2; DB 3; Length 1414;  
Best Local Similarity 80.3%; Pred. No. 3.7e-196;  
Matches 838; Conservative 0; Mismatches 193; Indels 12; Gaps 1;  
QY 154 ATTATGATTAGGTGCTCCCTGTCTATAAATTTGACGTGAAGCAAAATTTGGGGCCCAACTCC 213  
Db 296 ATTATTATACATCGAGGCGCTGCCAAAAATCAATGTGAAGCAAAATTCGAGCCCGCTCC 355  
QY 214 TGCCTCGCTCTACTCGCTGTGTTCATCTTTGTTTGTGGGCAACATGCTGGTGTCC 273  
Db 356 TGCCTCGCTCTACTCGCTGTGTTCATCTTTGTTTGTGGGCAACATGCTGGTGTCC 415  
QY 274 TCATCTTAATAAATGCAAAAGCTGAAGTCTTCTGACGTGACATTTACCTGCTCAACCTGG 333  
Db 416 TCATCTGTATAAATGCAAAAGCTGGAGAGCATGACATCTACCTGCTCAACCTGG 475  
QY 334 CCATCTGTATCTGCTTTTCTTATTACTCTCCCATTTGGGCTCAGTCTGCTGCAAAATG 393  
Db 476 CCACTCTGACCTGCTTTTCTTCTTACTGTCCTCTGCTGCTCAGTCTGCTGCTGCTG 535  
QY 394 AGTGGGCTTTGGGAATGCAATGCAAAATTTACAGAGGCTGTATCAGATCGGTTATT 453  
Db 536 AGTGGGCTTTGGGAATGCAATGCTCAACTCTTGACAGGGCTCTATTATAGGCTTCT 595

QY 454 TTGGCGGAATCTCTTCATCATCCTCTCTGACAATCGATAGATACCTGGCTATTGCTCCATG 513  
Db 596 TCTCTGGAATCTCTTCATCATCCTCTCTGACAATCGATAGATACCTGGCTATTGCTCCATG 655  
QY 514 CTGTGTTTCTTTAAAGCCAGGCGGTCACTTTGGGGTGGTGCACAAAGTGTGATCACT 573  
Db 656 CTGTGTTTCTTTAAAGCCAGGCGGTCACTTTGGGGTGGTGCACAAAGTGTGATCACT 715  
QY 574 GGTGTGGTGTGTGTTTGTCTGTCCAGGAATCATCTTTACTAAATGCCAGAAAGAG 633  
Db 716 GGGTGTGGTGTGTGTTTGTCTGTCCAGGAATCATCTTTACTAAATGCCAGAAAGAG 775  
QY 634 ATTCCTGTTTATGCTGTGGCCCTTATTTCCTCA-----CGAGGATGAATTAAT 681  
Db 776 GTCCTTATACACCTGAGCTCTCATTTTCCATACAGTCAAGTATCAATTTGGAAGAAAT 835  
QY 682 TCCACACAATAATGAGGAACATTTTGGGCTGTCTGCGCTGCTCATCATGCTCATCT 741  
Db 836 TCCAGACATTAAGATAGTCACTTGGGGCTGTGCTGCTGCTGCTGCTGCTGCTGCT 895  
QY 742 GCTACTCGGAATCCTGAAACCCCTGCTTGGTGTGCGAAGAGAGAGAGGATAGGG 801  
Db 896 GCTACTCGGAATCCTGAAACCCCTGCTTGGTGTGCGAAGAGAGAGAGGATAGGG 955  
QY 802 CAGTGAGAGTCACTTTCACCATCATGATTTTACTTTCTTCTGAGTCCCTATAACA 861  
Db 956 CTGTGAGGCTTATCTTACCATCATGATTTTACTTTCTTCTGAGTCCCTATAACA 1015  
QY 862 TTGTCATTTCTCTGAACACCTTCCAGGAATTTTGGGCTGTGAGTAACTGTGAAGACCA 921  
Db 1016 TTGTCATTTCTCTGAACACCTTCCAGGAATTTTGGGCTGTGAGTAACTGTGAAGACCA 1075  
QY 922 GTCAACTGACCAAGCCAGGAGTACAGAGACTTGGGATGACTCTGCTGCTCATCA 981  
Db 1076 ACAGTGTGGACCAAGCTATGAGGTGACAGAGACTTGGGATGACTCTGCTGCTCATCA 1135  
QY 982 ATCCATCATCTATGCTTCTGTTGGGAGAGTTCAGAGGATATCTCTCGGTGTTCTTCC 1041  
Db 1136 ACCCATCATCTATGCTTCTGTTGGGAGAGTTCAGAGGATATCTCTCGGTGTTCTTCC 1195  
QY 1042 GAAAGCACATCACCAGGCTTCTGCAACAAATGTCAGTTTTCACAGGAGACAGTGG 1101  
Db 1196 AAAAGCACATGCGCAAGGCTTCTGCAAAATGCTGTCTATTTCAGCAAGAGGCTCCCG 1255  
QY 1102 ATGGAGTCACTTCAACAAACACGCTTCCACTGGGAGCAGGAAGTCTCGGCTGTTTAT 1161  
Db 1256 AGCGAGCAAGCTCAGTTTACACCCGATCACTGGGAGCAGGAATATCTGTGGGCTTCT 1315  
QY 1162 AAAACGAGGAGCTTTGATGTT 1184  
Db 1316 GACACGGACTCAAGTGGGCTGGT 1338

## RESULT 13

US-08-724-984A-3  
; Sequence 3, Application US/08724984A  
; Patent No. 6388055  
; GENERAL INFORMATION:  
; APPLICANT: Derk Bergsma, Mary Brawer, and Usman Shabon  
; TITLE OF INVENTION: No. 6388055el Mouse Genomic Clone of the CC-  
; TITLE OF INVENTION: CKR5 Receptor  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SmithKline Beecham Corporation  
; STREET: 709 Swedeland Road, P.O. Box 1539  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-0939  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
; COMPUTER: IBM 486  
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS

154	QY	ATTATGATTACGGTGTCTCCTGTCAATAAAATTGACGTGAAGCAAAATTTGGGGCCCAACTCC	213
38	Db	ATTATTATATACATCGGAGCCCTGCCAAAAATCAATGTGAAGCAAAATCGCAGCCGCCCTCC	97
214	QY	TGCTTCGGCTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGTGTCGTCC	273
98	Db	TGCTTCGGCTCTACTCACTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGTGTCATCC	157
274	QY	TCATCTTAATAAACTGCAAAAAGCTGAAGTGTGTGACTGACATTTTACCTGTCTCAACCTGG	333
158	Db	TCATCTCTGATTAATACTGCAAAAAGCTGAAGAGCATGACTGACATCTACCTGTCTCAACCTGG	217
334	QY	CCATCTCTGATCTGCTTTTCTTTATTACTCTCCATTTGTGGGTCACTCTGTCTGCMAAATG	393
218	Db	CCATCTCTGACCTGTGTTCCTTCTTACTGTCCCTCTTGGGCTCACTATGCTGCCGCC	277
394	QY	AGTGGGTCTTTGGGAATGCAAAATGTCAGAAATTAATCAAGGGCTGTATCACATCGGTTAAT	453
278	Db	AGTGGGACTTTGGAAATACAAATGTGTCAACTCTTGACAGGGCTCTATTTATATAGGCTTCT	337
454	QY	TTGGCGGAATCTTCTTCATCATCCTCTGACANATCATAGATACCTGGCTATTGTGCCAATG	513
338	Db	TCCTCTGGAATCTTCTTCATCATCCTCTGACAAATCATAGGTACCTTGGCTTCGTCCTCATG	397
514	QY	CTGTGTTTGCTTTAAAAGCCAGGACGGTCACTTTGGGTGGTGTGACAAGTGTGATCACT	573
398	Db	CTGTGTTTGCTTTAAAAGCCAGGACGGTCACTTTGGGTGGTGTGACAAGTGTGATCACT	457
574	QY	GGTTGGTGGCTGTGGTTTCTGTCCAGGAATCATCTTTACTAAATGCCAGAAAGAG	633
458	Db	GGGTGGTGGCTGTGTTTGGCTCTCTCCAGGAATCATCTTTACCATCTCTCAAAAAGAAG	517
634	QY	ATTCTGTTTATGCTGTGGGCCCTTATTTTCCA-----CCAGAGATGGAATAAAT	681
		_  _	
518	Db	GTCTTTCATTACACCTGCAGCTCTCAITTTCCATACAGTCAGTATCAATCTCGAAGAAT	577
682	QY	TCCACACAATAATGAGGAACATTTTGGGGTGGTGTCTGGCGCTGTCTCATCATGGTCATCT	741
578	Db	TCCACAGACATTAAGAGATAGTCATCTTTGGGGTGGTGTCTGGCGCTGTCTCATGGTCATCT	637
742	QY	GCTACTCGGGAACTCTGAAAACCTGCTTCG6GTCTGCMAACGAGAGAAGAGGCATAGGG	801
638	Db	GCTACTCGGGAACTCTAAAACCTGCTTCGGTGTGMAATGAGAGAGAGGCACAGGG	697
802	QY	CAGTGAGAGTCACTCTTACCATCATGATGTGTTTACTTCTTCTCTGTGGACTCCCTATAACA	861

US-09-087-232A-14

Query Match 35.4%; Score 700; DB 3; Length 1071;  
Best Local Similarity 81.2%; Pred. No. 3.6e-196;  
Matches 830; Conservative 0; Mismatches 180; Indels 12; Gaps 1;

QY 154 ATTATGATTACGGTCTCCCTGTCATAAATTTGACGTGAAGCAAAATTTGGGGCCCAACTCC 213  
DB 44 ATTATATACATCGGAGCCCTGCCAAAAAATCAATGAAGCAAAATCGCAGCCGCGCTCC 103  
QY 214 TGCCTCCGCTACTCGCTGGTGTTCATCTTTGGTTTGGGCAACATCGTGGTCTCC 273  
DB 104 TGCCTCCGCTACTCGCTGGTGTTCATCTTTGGTTTGGGCAACATCGTGGTCTCC 163  
QY 274 TCATCTTAATAAGTCAAAAGCTGAAGTGTGTGACTGACATTTACCTGCTCAACCTGG 333  
DB 164 TCATCTTAATAAGTCAAAAGCTGAAGTGTGTGACTGACATTTACCTGCTCAACCTGG 223  
QY 334 CCATCTCTGATCGCTTTTCTATATACCTCCCATTTGGGCTCACTCGTGTGCAATG 393  
DB 224 CCATCTCTGATCGCTTTTCTATATACCTCCCATTTGGGCTCACTCGTGTGCAATG 283  
QY 394 AGTGGGTCTTTGGGAATGCAATGTGCAAAATTTACAGGGCTGTATACATCGGTTAT 453  
DB 284 AGTGGGTCTTTGGGAATGCAATGTGCAAAATTTACAGGGCTGTATATAGGCTTCT 343  
QY 454 TTGGCGGAATCTTCTATATACCTCCCTGACAAATCGATAGTACCTGGCTATTTGCCATG 513  
DB 344 TCTCTGGAATCTTCTATATACCTCCCTGACAAATCGATAGTACCTGGCTATTTGCCATG 403  
QY 514 CTGCTTTTGTCTTAAAGCCAGGAGCTGACCTTTGGGCTGTGACAAATGATCACT 573  
DB 404 CTGCTTTTGTCTTAAAGCCAGGAGCTGACCTTTGGGCTGTGACAAATGATCACT 463  
QY 574 GGTGGTGGCTGTGTTTCTTCTCCAGGAATCATCTTTACTAAATGCCAGAAAGAG 633  
DB 464 GGTGGTGGCTGTGTTTCTTCTCCAGGAATCATCTTTACTAAATGCCAGAAAGAG 523  
QY 634 ATTCTGTTTATGCTGTGGGCTTATTTTCCA-----CGAGGATGGAATAAT 681  
DB 524 GTCTTCATACACCTGTAGCTCTCATTTTCCATACAGTCACTCAATTTCTGGAAGATT 583  
QY 682 TCCACAAATTAATGAGGAACATTTTGGGCTGGTCTCGCTGCTCATCATCTGTTATCT 741  
DB 584 TCCAGACATTAAGATAGTCACTTGGGCTGGTCTCGCTGCTCATCTGTTATCT 643  
QY 742 GCTACTCGGGAATCCTGAAACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 801  
DB 644 GCTACTCGGGAATCCTGAAACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 703  
QY 802 CAGTGAGATCATCTTCAACCATCATGATTTTACTTTCTCTCTGAGACTCCCTATAACA 861  
DB 704 CTGAGAGCTTATCTTCAACCATCATGATTTTACTTTCTCTCTGAGACTCCCTATAACA 763  
QY 862 TTGTCATCTCTGAGACACCTTCCAGGAATTTCTGCGGCTGAGTAACTGTGAAGCACA 921  
DB 764 TTGTCATCTCTGAGACACCTTCCAGGAATTTCTGCGGCTGAGTAACTGTGAAGCACA 823  
QY 922 GTCACTGGACCAAGCCAGGAGTGACAGACTCTTTGGGATGACATCACTGCTGCATCA 981  
DB 824 ACAGGTTGGACCAAGCTATGACAGGAGTATGAGACTCTTTGGGATGACATCACTGCTGCATCA 883  
QY 982 ATCCCATCATCTATGCTTCTGAGGAGAGTTCAGAGGATATCTCTCGGTGTTCTTCC 1041  
DB 884 ACCCATCATCTATGCTTCTGAGGAGAGTTCAGAGGATATCTCTCGGTGTTCTTCC 943  
QY 1042 GAAAGCACATCAACCAAGCGCTTCTGCAAAATTTCTGAGTCTTCTACAGGAGGACAGTGG 1101  
DB 944 AAAAGCACATGCAAAACCGCTTCTGCAAAATTTCTGAGTCTTCTACAGGAGGACAGTGG 1003  
QY 1102 ATGAGTGACTTCAACCAACCGCTTCTGCAAAATTTCTGAGTCTTCTACAGGAGGACAGTGG 1161  
DB 1004 AGCGAGCAAGCTCAGTTTACACCCGATCCACTGGGGAGGAGGAAATATCTGTTGGGCTGT 1063

QY 1162 AA 1163  
DB 1064 GA 1065

## RESULT 15

US-09-293-170-3  
; Sequence 3, Application US/09293170  
; Patent No. 6383777  
; GENERAL INFORMATION:  
; APPLICANT: Breyer, Richard M.  
; APPLICANT: Ma, Lijun  
; APPLICANT: Kennedy, Chris  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR HIGH YIELD  
; TITLE OF INVENTION: PRODUCTION OF EUKARYOTIC PROTEINS  
; FILE REFERENCE: 22000.0094  
; CURRENT APPLICATION NUMBER: US/09/293.170  
; CURRENT FILING DATE: 1999-04-16  
; EARLIER APPLICATION NUMBER: 60/081.989  
; EARLIER FILING DATE: 1998-04-16  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 3  
; LENGTH: 5674  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (300)...(1616)  
; OTHER INFORMATION: Description of Artificial Sequence:/note =  
; OTHER INFORMATION: synthetic construct  
US-09-293-170-3

Query Match 35.3%; Score 699.2; DB 4; Length 5674;  
Best Local Similarity 81.3%; Pred. No. 1.6e-195;  
Matches 828; Conservative 0; Mismatches 178; Indels 12; Gaps 1;

QY 154 ATTATGATTACGGTGTCTCCCTGTCATAAATTTGACGTGAAGCAAAATTTGGGGCCCAACTCC 213  
DB 571 ATTATATACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAAATCGCAGCCGCGCTCC 630  
QY 214 TGCCTCCGCTACTCGCTGCTGTTCATCTTTGGTTTGGGCAACATGTGCTGCTCC 273  
DB 631 TGCCTCCGCTACTCGCTGCTGTTCATCTTTGGTTTGGGCAACATGTGCTGCTCC 690  
QY 274 TCATCTTAATAAGTCAAAAGCTGAAGTGTGACTGACATTTACCTGCTCAACCTGG 333  
DB 691 TCATCTTAATAAGTCAAAAGCTGAAGTGTGACTGACATTTACCTGCTCAACCTGG 750  
QY 334 CCATCTCTGATCTGCTTTTCTTATTTACTCTCCCATTTGGGCTCACTCTCTGCAAAATG 393  
DB 751 CCATCTCTGATCTGCTTTTCTTATTTACTCTCCCATTTGGGCTCACTCTCTGCAAAATG 810  
QY 394 AGTGGGTCTTTGGGAATGCAATGTGCAAAATTTATCAAGGCTGTATACATCGGTTAT 453  
DB 811 AGTGGGACTTTGGAATAACAATGTCAACTCTTGACAGGGCTCTATTTATAGGCTTCT 870  
QY 454 TTGGCGGAATCTTCTTATCATCATCTCTGACAAATCGATAGTACCTGGCTATTTGCTCATG 513  
DB 871 TCTCTGGAATCTTCTTATCATCATCTCTGACAAATCGATAGTACCTGGCTATTTGCTCATG 930  
QY 514 CTGCTGTTTCTTTAAAGCCAGGAGCTCACTTTGGGCTGGTGAAGTGTGATCACT 573  
DB 931 CTGCTGTTTCTTTAAAGCCAGGAGCTCACTTTGGGCTGGTGAAGTGTGATCACT 990  
QY 574 GGTGGTGGCTGTGTTTCTGCTCCAGGAATCATCTTTACTAAATGCCAGAAAGAG 633  
DB 991 GGTGGTGGCTGTGTTTCTGCTCTCTCCAGGAATCATCTTTACTAGATCTCTCAAAAGAG 1050  
QY 634 ATTCTGTTTATGCTGTGGGCTTATTTTCCA-----CGAGGATGGAATAAT 681  
DB 1051 GTCTTCATACACCTGCAGCTCTCATTTTCCATACAGTCACTATCAATTTCTGGAGATT 1110



QY 682 TCCACACAATATGAGGAACATTTTGGGGCTGGTCTGCGCTGCTCATCATGGTCACT 741  
 Db 1111 TCCAGACATTAAGATAGTCACTTTGGGGCTGGTCTGCGCTGCTCATGGTCACT 1170  
 QY 742 GCTACTCGGGAATCTGAAACCCCTGCTTGGGTGTCGAAACGAGAAGAGGACATAGG 801  
 Db 1171 GCTACTCGGGAATCTGAAACCCCTGCTTGGGTGTCGAAATGAGAAGAGGACAGG 1230  
 QY 802 CAGTGAGAGTCACTTCACCATCATGATGTTTACTTCTCTCTGGACTCCCTATAACA 861  
 Db 1231 CTGTGAGGCTTATCTTACCATCATGATGTTTATTTCTCTCTGGGCTCCCTACAACA 1290  
 QY 862 TTGTCTCTCTGACACCTTCCAGGAATTTCTTGGGCTGAGTACTGTGAAGCACCA 921  
 Db 1291 TTGTCTCTCTGACACCTTCCAGGAATTTCTTGGGCTGAGTACTGTGAAGCACCA 921  
 QY 922 GTCAACTGGACCAAGCCAGGAGGTGACAGACTCTTGGGATGACTCACTGCTGCATCA 981  
 Db 1351 ACAGGTTGGACCAAGCTATGCAAGGTGACAGACTCTTGGGATGACGCACTGCTGCATCA 1410  
 QY 982 ATCCCATCATCTATGCTTGGGAGAAAGTTCAAGAGGTATCTCTCGGTGTTCTTCC 1041  
 Db 1411 ACCCATCATCTATGCTTGGGAGAAAGTTCAAGAGGTATCTCTCGGTGTTCTTCC 1470  
 QY 1042 GAAAGCACATCACCAGGCTTCTGCAACAATGTCACCTTTCTACAGGAGACAGTG 1101  
 Db 1471 AAAAGCACATGCAACGCTTCTGCAAAATGTCACCTTTCTACAGGAGACAGTG 1101  
 QY 1102 ATGGAGTGACTTCAACAAACAGCCCTTCCACTGGGGAGAGGAAAGTCTCGGCTGGTT 1159  
 Db 1531 AGCGACAGCTCAGTTTACACCCGATCCACTGGGGAGAGGAAATATCTGTGGGCTT 1588

Search completed: June 1, 2003, 20:07:40  
 Job time : 115.681 secs

